

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number
WO 2004/046088 A1

(51) International Patent Classification: C07C 253/30,
255/42, 255/24, 255/44

(21) International Application Number:
PCT/EP2003/012412

(22) International Filing Date:
3 November 2003 (03.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02102614.1 21 November 2002 (21.11.2002) EP

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(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO,
RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

(48) Date of publication of this corrected version:
29 September 2005

(15) Information about Correction:
see PCT Gazette No. 39/2005 of 29 September 2005, Sec-
tion II

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE RACEMISATION OF ENANTIOMERICALLY ENRICHED ALPHA-AMINO NITRILES

(57) Abstract: Process for the racemisation of an enantiomerically enriched α -amino nitrile characterized in that the enantiomerically enriched α -amino nitrile is contacted with a lewis acid catalyst. Preferably an aprotic solvent is used. The lewis acid catalyst preferably comprises a metal chosen from main group elements IA-IVA of the Periodic Table (CAS version), the transition metals and the lanthanides, in particular Al, Ti, Zr, or lanthanides. The catalyst for example has the general structure $M_nX_pS_qL_r$, and preferably is chosen from the group of aluminum alkoxides, aluminum alkyls, lanthanide alkoxides and lanthanocenes. The racemisation may be performed in combination with a resolution process, for instance in combination with an enzymatic or a crystallization induced resolution process, preferably in situ, for instance in situ in a crystallization induced asymmetric transformation process.

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